DUKANE

AV PRODUCTS

INTERACTIVE WHITEBOARD Touch operation Model LB78T

User Guide IWB Model LB78T

Information in this Guide may change due to product improvements. To obtain the latest manuals, literature, and software please visit the Dukane web site at; www.dukane.com/av and look at the specific model SUPPORT or DOWNLOADS section.

UGLB78T030510

Table of Contents

What's In The Carton **2**

DUKANE Whiteboard System Requirements **2**

Introduction **3**

Whiteboard Software Features **3**

How to Install Hardware **4**

How to Install Software **8**

Board operation menu **9**

Troubleshooting Guide **12**

DUKANE Interactive Whiteboard User Tips **13**

Specifications **14**

Technical Support **16**

The information contained herein is subject to change without notice. The only warranties for Dukane Products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Dukane shall not be liable for technical or editorial errors or omissions contained herein.

What's in the carton?

Thank you for your purchase of the DUKANE Interactive Whiteboard. If any items are missing or damaged, please contact your authorized reseller immediately.

CONTENTS:

White Board * 1 pc Writing Pen *3 pc
USB Cable 49 ft (7.5m) * 1 pc Eraser * 1 pc
Installation CD * 1 pc
Warranty Card * 1 pc
Pen Tray (Optional) * 1 pc Wall-mounting Bracket (Optional) * 1 set

DUKANE Whiteboard System Requirements

Lowest System Requirements:

- CPU: 300MHz×86
- Memory: 128M
- Display Card: Support 256 or above
- Hard Disk: 100M
- Screen Display Resolution: 800×600、1024×768、 1280×1024
- USB1.1 port

Recommended:

- CPU: 1GHz×86
- Memory: 256M or above
- Display Card: Support 256 or above
- Hard Disk: 500M
- Screen Display Resolution: 1024×768 、1280×1024
- USB port

Software Running Environment: Microsoft Windows versions; WIN 2000,XP (32-bit), Vista (32-bit), WIN 7 (32-bit).

Introduction

DUKANE's Interactive Whiteboard uses infrared technology. Working seamlessly with a projector and computer, the DUKANE Interactive Whiteboard provides more convenient, interactive and effective presentations. Perfect for school auditoriums, conference rooms, trade shows, symposiums and lecture halls. Users can write on the screen using the included pens, a wand, or the user's finger.

- **Writing:** Write, draw and perform mouse functions with your finger. The Whiteboard displays your written moves instantaneously.
- **Annotating:** The user can operate and annotate over any computer applications, or save notes directly into Dukane Notes Software, plus PowerPoint, Word, Excel, MEPG JPEG, AVI and etc.
- **Interacting:** In video conferencing, both parties can share data and write in real time just like a standard conference room. Once integrated with Polycom or other video conferencing systems, using DUKANE's Interactive Whiteboard can improve video conference efficiency. The system can support up to 40 writing locations.
- **Touch System:** DUKANE Interactive Whiteboard is sensitive to touch speed and can be used as a high-resolution interactive white board.
- **Touch Recognition:** Can recognize touch of a single-finger, certain gesture, right-click, left-click and double click.
- **Hot Keys:** Hot keys located on the side(s) of the boards provide quick access to frequently used keys.
- **Energy conservation:** Controls energy consumption using less than 0.5W. There is no separate power supply.

Whiteboard Software Features:

- Designed for teaching and conference systems.
- High gain and low glare screen.
- Saves images in Vector image format. Vector images take up less storage space and make file transferring easier and faster
- Users can customize pen type, line width, and color schemes to fit their individual preferences.
- Powerful screen functions supports real-time editing
- Graphic tools allow users to choose a background, input graphics and images.
- Paintbrush pen is speed sensitive
- Writing file allows for easy conversion to many other formats such as: PDF, JPG, GIF, PNG, TIFF, BMP, etc.

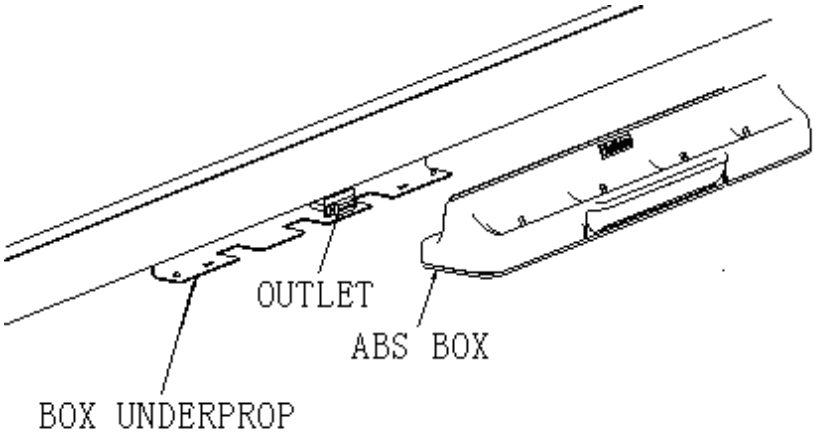
- Graphic tools and Hot Keys allow users to choose a pen to annotate, or use as a mouse control. The 12 Hot Keys function as: Page Up & Down, Insert White Background, Insert Black Background, Select Pen Size, Eraser, Save and Cancel.
- Supports other application software.

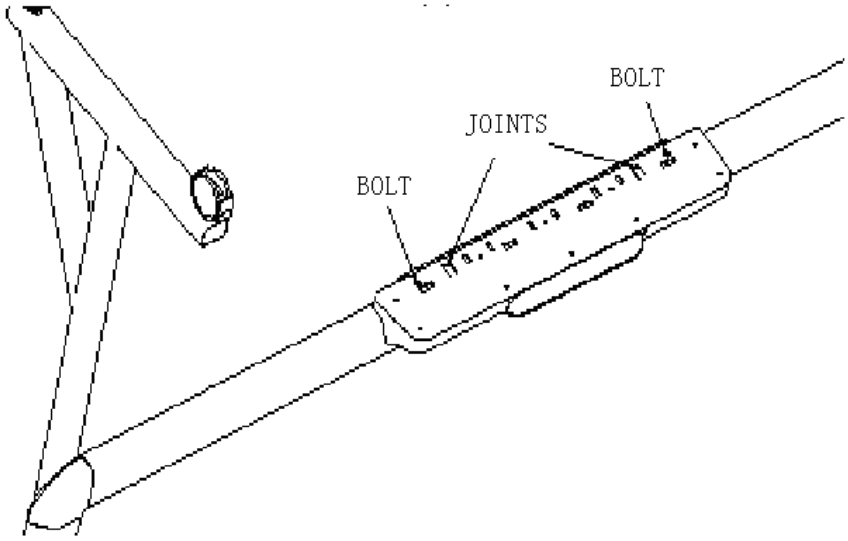
Note: The projection area is outlined at the upper left and lower right corner of the board using these icons ("⌜ 、⌟") . Please project onto this area for best results.

How to Install Hardware

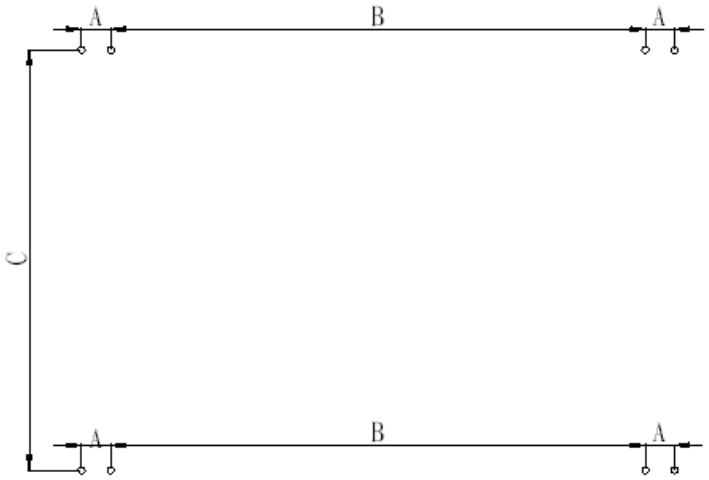
1. How to install LB78T hardware

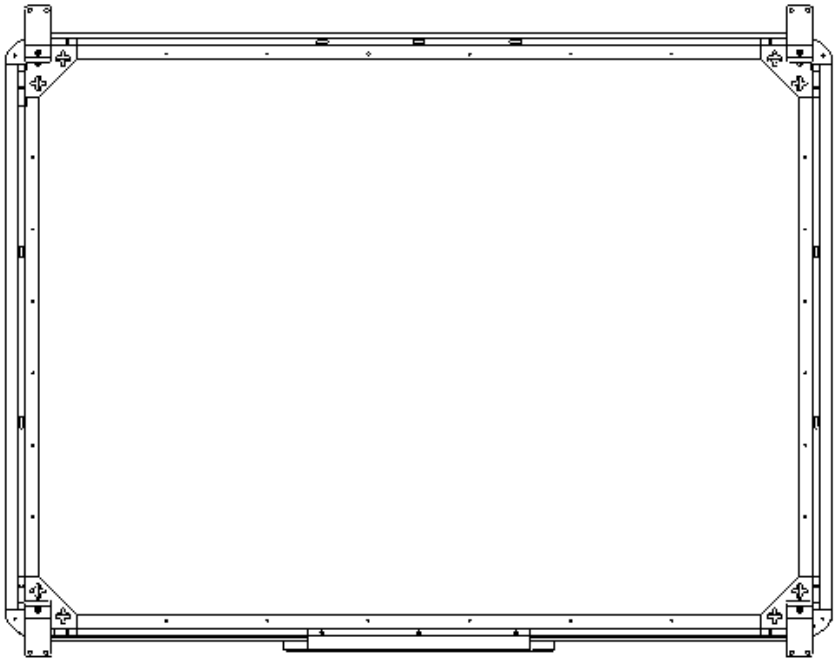
Install Pen Tray: In the frame of the board, prior to securing the pen tray you will find a slot that accommodates a Kensington lock. If you would like to use a Kensington lock insert and loop the cable through the center hole on the frame, position the pen tray in line with the four screws, and then screw the pen tray in place. (Shown below)





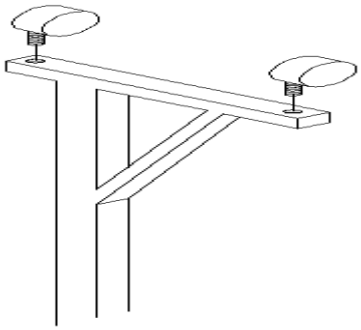
Install Wall mounting: Set desired height according to user's preferences. Using the wall-mounting brackets as a template, place the 8 stilettos on the wall and screw bolts into each hole. Align the wall-mounting brackets onto the bolts and tighten the bolts. Check that each location hole faces each corresponding bolt and hang the white board to the wall. (As shown below)


A
B
A
C
A
B
A

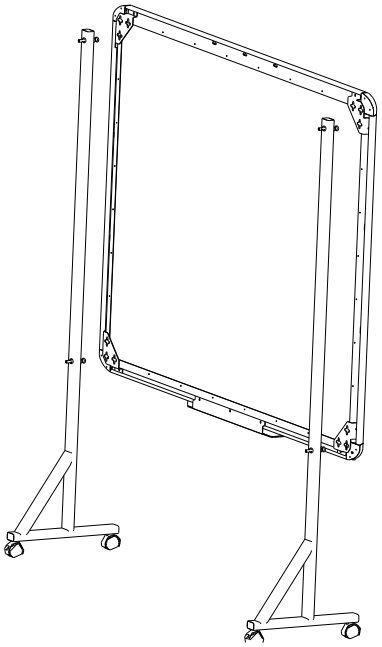


Install White Board on a Floor Stand:

(1) Lock all four casters in the down position (as shown)



(2) With an assistant's help, hang Interactive whiteboard on the floor stand by lowering the two bolts onto the top hooks and securing the bottom bolts into the bottom hooks. There are two heights for hanging according to user's preferences.（as shown below）



How to Install Software

1. Install Software

Connect the Whiteboard to your computer or laptop using the provided USB cable and insert the DUKANE Interactive Whiteboard CD. Once the USB cable is connected the computer will notify that it has “found new hardware” and the following window will appear:

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

Pease click “Cancel” and use the following method to install the application software such as Dukane Notes.

Place the DUKANE Interactive Whiteboard CD in the computer’s CD-ROM, then use the menu to load the Dukane notes software on the PC.

CD Menu;

1. Dukane Notes v 2.5.0 software and drivers

2. User Guide for Dukane Notes software

3. User guide for IWB LB78T

4. Image library for Dukane notes

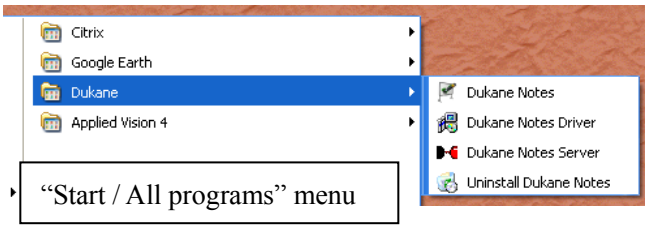
1. Load Dukane Notes software from the CD. This software includes the drivers for the board operation.
2. Restart the PC. The “Found New hardware wizard” will appear.
3. Click; “Yes, this time only”, and “Next”. The wizard will load the drivers.
4. Follow the prompts in the dialog box messages to complete the installation. Restart the PC when prompted.

Run software from the; ALL PROGRAMS / DUKANE / DUKANE NOTES, or use the Desktop Icon for “Dukane Notes”.

Image Library

The image library can be unzipped from the CD. Assign it to the location by selecting “Browse” and then the file path C:\Program Files\Dukane\Dukane Notes.

Click **Dukane Notes** software or the desktop shortcut to begin operation.

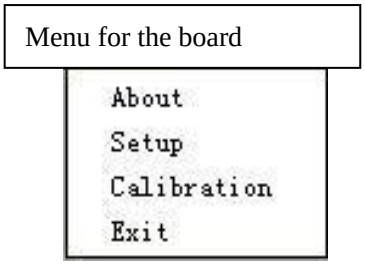


Once the software is installed an icon will appear in the computer's window lower system tray. The indicates a connection has been made to the Whiteboard. The indicates no connection has been made, please check the hardware connection and USB driver.

Note: For Windows XP, the USB driver may need to be reinstalled if a connection is made to another USB port. Please CLICK; "Yes, this time only" . And then click "Next" to search and install the USB driver automatically.

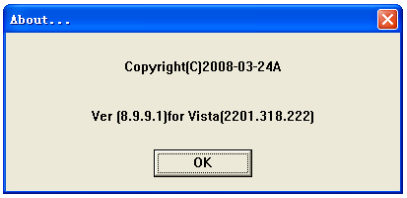
Note: There are three conditions for the Whiteboard connection;
Shows the LB78T White Board is not connected properly
Shows the LB78T White Board is in the process of connecting
Shows the LB78T White Board is connected properly

Board operation Menu from icon in tray



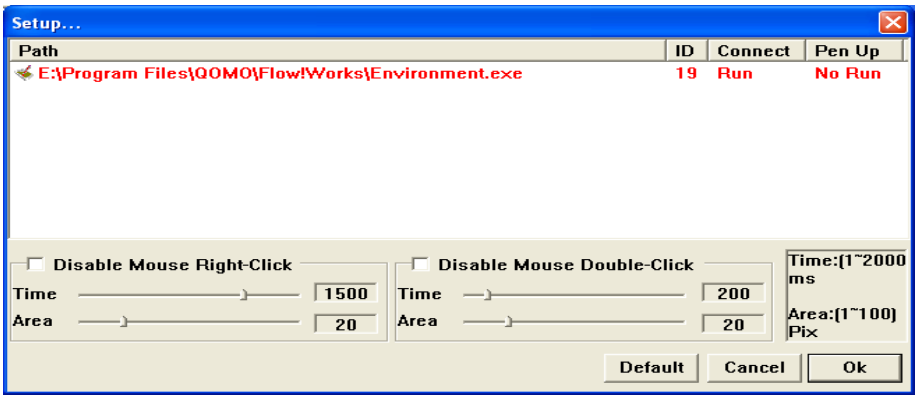
Double-click or hover on the icon to produce the board menu.

'About' Option



The dialog box displays application software copyright date, edition and hardware information.

‘Setup’ Option

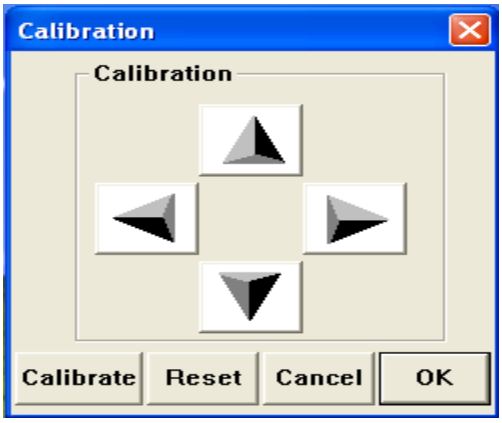


System setup is used to set the simulation of mouse’s right-click and double-click based on user’s preferences.

To Simulate Right-click: The pen or finger will function as a mouse right-click when the pen tip stops on the screen more than 1500 milliseconds (right-click time) and moves a distance less than 20 pixels (response time).

To Simulate Double-click: The pen or finger will function as a double-click on the screen when two consecutive clicks occur in less than 200 milliseconds (double-click time) and in position less than 20 pixels (response area) from one another.

‘Calibration’ Calibrating Whiteboard



Users can calibrate image if the projected touch point is offset from actual contact location. To calibrate, click ‘**Calibrate**’ on the options menu then click ‘**Start**’ White dots will appear on the Interactive Whiteboard screen, to orient the projected image on the board, follow the on screen instructions by clicking on the white dot each time it appears on the screen. The orientation data saves in the Interactive Whiteboard software automatically and remains unchanged until you the next time you calibrate.

Exit’ Driver Software

When the DUKANE Interactive Whiteboard control software is no longer needed, click ”**Exit**” to exit the program. The Whiteboard software can be reopened from the start menu.

Note: There are three conditions for the Whiteboard connection;

Shows the LB78T White Board is not connected properly

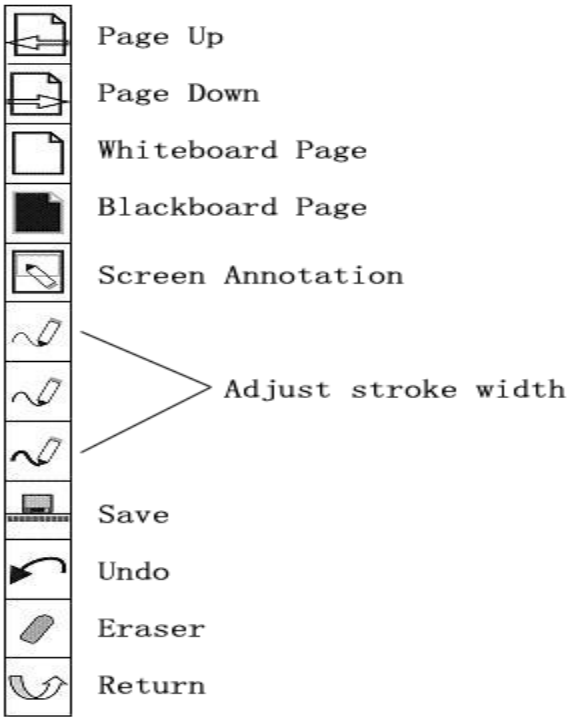
Shows the LB78T White Board is in the process of connecting

Shows the LB78T White Board is connected properly

2. Hot Keys

There are twelve hot keys on the right and left hand sides of the board.

Note: Only available on 78-inch and 105-inch models. The 56-inch and 88-inch model whiteboards have hot keys only on the left hand side. The functions are listed below:



Writing pens and eraser

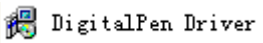
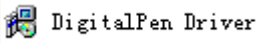
There are three colored writing pens and one eraser, red, black, and blue. The writing pen can write with the same color or users can choose a different color from the color palette in the software.

★ Writing is also possible using a single or multiple fingers.

Using the Whiteboard Annotation Software

Please refer to the User Guide for the Dukane Notes software.

Troubleshooting Guide

Problem	Reason	Try the following
icon appears on the task bar at the lower right of screen	The whiteboard driver is not installed	Install/reinstall the driver by run  in windows START menu
	Connection Failure between the computer and the whiteboard	Retry the connection
	Installation error	Restart computer and reinstall software
The writing content cannot be displayed on the screen	The stroke color is the same or similar to the background	Reset the stroke color
	Hands and/or some objects are on the screen	Remove all objects
	White Board software is not started	Start the software
The blue indicator on whiteboard does not light up	USB error	Reconnect USB cable or change cable
The blue indicator on the whiteboard does not light up or is always flashing	The whiteboard driver is not installed	Install/reinstall the driver by run  in windows START menu
	USB port error	Retry connection using another USB port
	USB cable failure	Change USB cable

Frequently Asked Questions

Why isn't anything showing up on the screen?

：The selected stroke color may be the same as or similar to the background color. Please change the stroke color and try again.

Do I have to run calibration after reinstalling the application software?

：No. To keep it simple, the system records your last location adjustment parameters.

Is the object covered by the page sorter window really covered?

：The object is only covered by the page sorter window temporarily and it will be shown after the page sorter window is closed.

Can I custom define a page background and color?

：Yes, please refer to Setup Page Background.

How do I know if my LB78T White Board is working properly?

： If the red indicator is shining while writing on the screen, the White Board works properly.

Why the teaching page color cannot be displayed?

：The background color can be covered by the image if the fore ground image is larger and the image is not transparent.

DUKANE Interactive Whiteboard User Tips

When searching for a specific page among many pages enter the Page Index mode and look up this page quickly on the Page Sorter window.

Press the Ctrl+ key combination (↓ 、 ↑ 、 ←) to move/place objects accurately.

To improve the display speed, the size of the image in use should be no larger than the size of the screen resolution.

If possible, convert the picture that will be inserted into WMF format first. This operation can improve the display speed and reduce distortion when magnifying or shrinking the image.

In order for the image to be displayed on the screen clearly, set the image size to the same size as the screen being displayed. For example: If the screen resolution is 1024×768, the image pixel should be set to1024×768.

Specifications

	78" Interactive Whiteboard
	LB78T
Technology	Infrared
Touch System	Pen, Wand or Finger
Touchable range	65" x 46" (1653mm x 1159mm)
Resolution	1024 x 1024
Response Time	First dot:25ms,continuous dot:8ms
Cursor Speed	120 inches/second
Coordinate Accuracy	3mm
Consumer Current Active Area Size (Diagonal)	≤80mA
Port	USB
Dimensions	72" x 51" (1824mm x 1301mm)
Packing Dimensions	80" x 60" x 8" (2040 x 1520 x 200mm)
Net Weight	57 lbs (26kg)
Gross Weight	75 lbs (34kg)
Software Drivers	Windows 2000/XP/32 bits vista
Accessories	Standard: 3 Interactive Pens (red, black, blue), Eraser, Pen Tray Optional: Floor Stand
Operating Temp	5°F to 122°F (-15°C to 50°C)
Operating Humidity	20~90%
Storage Temp	-40°F to 122°F (-40°C to 50°C)
Storage Humidity	10~95%

Technical Support

How to Reach DUKANE:

By Phone

Call us at 1-800-676-2487. Our expert support staff is available to provide technical assistance from 9:00AM through 5:00PM Central Standard Time, Monday through Friday. If you have a service issue after hours, you may call our Emergency Technical Support at 630-632-5244 or 630-464-0783.

Please have the following information before calling:

- Product model name(s) and numbers
- Product serial number(s)
- Date of purchase
- Detailed and specific questions

Online

Technical support is also available online at DUKANE's web site at www.dukane.com/av.

DUKANE CORP AV SERVICE DEPT
2900 Dukane Drive
St Charles, IL 60174
800-676-2487 / 630-762-4032
Fax 630-584-5156
avservice@dukane.com
www.dukcorp.com/av

Copyrights © 2010 DUKANE, Corp. All Rights Reserved.